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HEALTH EDUCATION BY EDUCATIONAL TELEVISION, A PRELIMINARY EVALUATION, 1964-65 FALL SEMESTER.

SAN MATEO COLL., CALIF.

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TO ASSESS STUDENT OPINION TOWARD TELEVISED INSTRUCTION IN A REQUIRED HEALTH EDUCATION COURSE, A 7-ITEM QUESTIONNAIRE WAS ADMINISTERED TO 416 STUDENTS AT THE END OF A TELEVISION COURSE AND TO 213 WHO COMPLETED A LIVE LECTURE CLASS. TELEVISION SECTIONS, EACH CONTAINING ABOUT 60 STUDENTS, WERE MONITORED BY MATURE, COMPETENT PERSONS WHO RECORDED ATTENDANCE, MADE ANNOUNCEMENTS, ADMINISTERED EXAMINATIONS, AND, WHEN TIME PERMITTED, ANSWERED QUESTIONS. LIVE PRESENTATIONS WERE MADE TO ONE LARGE GROUP. ONE INSTRUCTOR PRESENTED BOTH COURSES. THE TELEVISION AND LIVE LECTURE GROUPS APPEARED QUITE COMPARABLE IN AGE, MARITAL STATUS, SEX, AND GRADE AVERAGES. WHILE REACTION TO THE COURSE WAS FAVORABLE IN BOTH GROUPS, THE LIVE LECTURE GROUP REACTED MUCH MORE FAVORABLY. LACK OF PERSONAL COMMUNICATION WITH THE INSTRUCTOR WAS THE CHIEF OBJECTION TO THE TELEVISION COURSE, ALTHOUGH OVER HALF OF THE TELEVISION STUDENTS SAID THEY WOULD BE WILLING TO ENROLL IN FUTURE COURSES OF THIS TYPE. THE AUTHORS CONCLUDED THAT TELEVISED INSTRUCTION HAS EXCELLENT POSSIBILITIES OF ACCEPTANCE, ESPECIALLY IF COMBINED WITH DISCUSSION SESSIONS. APPENDED ARE DESCRIPTIONS OF THE STUDENT GROUPS AND DETAILED ANALYSES OF THE RESPONSES TO EACH QUESTION. (WO)

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HEALTH EDUCATION BY EDUCATIONAL TELEVISION

A PRELIMINARY EVALUATION

1964-65 FALL SEMESTER

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
OFFICE OF EDUCATION

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December 1965

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HEALTH EDUCATION BY EDUCATIONAL TELEVISION
A PRELIMINARY EVALUATION
1964-65 FALL SEMESTER

Introduction

The new College of San Mateo campus opened for instruction in September, 1963. In planning its facilities, Dr. Julio L. Bortolazzo, College of San Mateo president, recommended and the Board approved the construction of KCSM-TV, a District-owned and operated educational television station designed for both open and closed-circuit broadcasting. Following is the basic policy of the College relating to educational television and college instruction:

> Excellence in instruction is the prime goal at College of San Mateo. Every means which gives promise of sustaining or improving the quality of instruction must be employed. Television is a means of instruction offering genuine promise. Because the Committee on Instruction is charged with the responsibility for long-range curriculum planning, educational television offerings will be approved by the Committee on Instruction to insure coordination of such offerings with the total curriculum. 1/

While the television facilities were still being installed, plans were underway for the broadcast of the first closed-circuit instructional program. The Committee on Instruction approved the use of this medium for teaching health education, a course required for the Associate in Arts degree.

The instructor of the course, Dr. Edward K. Williams, with the assistance of the staff of KCSM-TV, cut the video tape for the entire course. The 28 tapes in the series averaged about 45 minutes in length. During the fall, 1964 semester this course was broadcast by closed-circuit to nine sections, each enrolling approximately 60 students. During the same semester Dr. Williams lectured live to a large group enrolling 225 students. Each TV section was monitored by a mature and competent person who took roll, made announcements, administered examinations, and, time permitting, answered questions on the presentations.

Because TV appears to have tremendous educational potential and at the same time is a possible source of faculty concern, the director of instruction

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1/ San Mateo Junior College District, Policies and Procedures, Section 6.32.

arranged an informal meeting to discuss possible approaches to evaluation. In addition to the director of instruction, attending were the director of research and planning, director of the College of the Air, coordinator of data processing, chairman of the Telecommunications Department, and the KCSM-TV instructor-operator. The discussion was held on September 21, 1964, just after the beginning of the academic year.

At this meeting the group concluded that it was too late for a completely scientific evaluation of the closed-circuit health education course in the fall, 1964 semester. For example, the fact that the same instructor was presenting the course both by live lecture and closed-circuit TV lent itself, on the surface, to experimental and control comparisons. However, the live course was presented at 10 o'clock in the morning, the closed-circuit sessions at two and three o'clock in the afternoon. During registration the morning class enrollment had closed first. Questions arose not only about the influence of time of presentation but also about the comparability of student populations. Did the ten o'clock class enroll more highly motivated students, the "early risers" rather than the "late comers"?

Recognizing the inadequacy of design, the group nevertheless decided to begin gathering data as a trial run for future evaluations. The Committee on Instruction concurred with the decision. This report is a result of the data-gathering effort. It represents a beginning in what is expected to become a more scientific effort.

Objective

The objective of this study was to assess the attitudes and opinions of students toward classroom instruction by educational television and toward health education as taught by educational television.

Method of Approach

1. Preparatory to the construction of the attitude and opinion questionnaire, several individuals and groups were asked by the director of research and planning for suggestions on the content and structure of this data-gathering instrument. They included the instructor of the course, the proctors monitoring

the TV sections, a small group of students from the TV sections, the director of instruction, the director of the College of the Air, the chairman of the Telecommunications Department, and the chairman of the Life Sciences Division.

2. A preliminary questionnaire was constructed, submitted to the same persons (except the students) for their suggestions, and then revised.

3. This revised questionnaire was pretested on a group of twelve students. The students were selected from two of the TV sections by the proctors of those sections. The selections were made to provide six boys and six girls distributed about equally into groups of above average, average, and below average students, as judged by the proctors.

The procedure was as follows. The twelve students met as a group during one of the class hours. The purpose of the pretest--namely, the refinement of the questionnaire--was explained to the group. Each respondent completed the questionnaire at his own speed. When through, he was individually interviewed by a member of the interviewing team, which consisted of the director of research and planning, the chairman of the Telecommunications Department, and a TV section proctor. The purpose of the interviews was to determine whether, in the judgment of the interviewees, the right questions were being asked and whether the instructions and questions were perfectly clear to them.

4. At the completion of the twelve interviews, the members of the interviewing team pooled the responses and revised the questionnaire for final publication.

5. To elicit comparable data from the live lecture group, a second questionnaire was devised--identical to the first except that questions pertinent only to the TV sections were deleted. Both questionnaires were precoded for machine tabulation.

The final questionnaires for the TV sections and for the live lecture group are included in this report as Appendixes C and D, respectively.

6. The questionnaires were administered in conjunction with final examinations at the end of the 1964-65 fall semester. To eliminate any possible influence in response, students were assured that answers would be strictly confidential and were asked <u>not</u> to sign their names. Completed questionnaires were processed under the supervision of the Office of Research and Planning.

Characteristics of the Samples

As shown in Appendix A, captioned "Characteristics of the Samples," 629 usable questionnaires were received, 416 from the TV group and 213 from the live lecture group. In both groups respondents were about equally divided between males and females.

In both groups and in both sexes, the majority of the respondents were 18 years old, the age of second highest frequency being 19 years. Over 80 percent of the respondents in both groups were either 18 or 19.

Over 90 percent of the respondents in both groups and in both sexes were single. For the total of both groups, 95.0 percent were single, 2.3 percent were married, and 2.7 percent did not respond to this question.

A majority of the students were low freshmen, 58.5 percent stating that they had completed no college units, 15.4 percent that they had completed 1-14 units.

Most students indicated they were averaging C work in college--32.6 percent C, C- and 30.8 percent C+.

On these data the TV group and live lecture group appeared to be quite comparable. The live lecture sample had slightly higher proportions (1) in the 19, 20, and 21 year age groups; (2) in students with 15 or more college credits; and (3) in respondents indicating grade point averages of B or better.

Detail on Responses

In Appendix B are presented the detailed responses to all questions contained in both questionnaires. These responses include comparative data on questions asked both groups as well as specifics on content and methodology of the course.

Conclusions

An analysis of responses leads to the following general conclusions:

1. The course in health education rated well with both TV and live lecture groups. The majority of respondents in both groups stated they would not have

taken the course if it had not been required--52.4 percent of the TV group and 50.7 percent of the live lecture group so responding (Question 52). However, to the question: "Knowing what you now know about the course, do you think it should be a requirement?" (Question 53), the affirmative response was impressive, as summarized below.

	TV Group	Live Lecture Group	Total
Yes	69.9%	92.5%	77.6%
No	21.2	3.3	15.1
No response	8.9	4.2	7.3
	100.0%	100.0%	100.0%

2. The live lecture group reacted much more favorably to the course than did the TV group. Support for this conclusion is found in responses to numerous questions; the following modal responses (responses of highest frequency) are illustrative.

Question Number	Modal Responses: TV Group	Modal Responses: Live Lecture Group
10: Over-all opinion of course.	Good (43.3%)	Excellent (61.5%)
12: Understanding of health, after course.	Somewhat improved (40.0%)	Very much improved (61.5%)
14: Attitude toward health education, after course.	Favorable (55.0%)	Strongly favorable (69.0%)
15: Immediate benefit of course to you.	Of some benefit (58.7%)	Of great benefit (40.8%)
16: Benefit of course in later life.	Of some benefit (49.3%)	Of great benefit (50.2%)

3. The lack of personal communication with the instructor appeared to be a chief disadvantage of the straight educational TV presentation. Indicative of this view are the responses by the TV group, as shown below, to the question: "To what extent has the lack of opportunity to ask the TV instructor questions directly reduced the value of the course for you?" (Question 50)

To a very great extent	20.4%
To a great extent	21.6
To some extent	28.6
To a small extent	14.9
To a very small or no extent	6.5
No response	8.0
	100.0%

4. A very high proportion (97.6 percent) of the TV group had never taken a TV classroom course before (Question 8). Despite what they considered to be undesirable features of the straight TV presentation, most of them (52.9 percent) stated they would take another subject on TV if offered, 37.7 percent that they would not, and 9.4 percent did not respond (Question 54).

5. Educational TV has excellent possibilities of acceptance if it is combined with discussion sessions. Among the TV group, the combination of educational TV and discussion sessions in health education was the first choice of the majority, 51.7 percent of the group so responding. Ranking second as a first choice of this group was educational TV; ranking third as a first choice was straight lecture (Question G, items 67 through 69).

Further Study

The results of this exploratory study indicate that the evaluation of educational TV should be continued, with the present exploration serving as a basis for more carefully designed and controlled experimentation.

The evidence found suggests that patterns of instruction should be developed which include educational TV combined with teacher-student discussions in smaller groups. In some fields these patterns appear to have excellent potential for optimum learning. Further study is required to determine the most effective combinations.

Appendix A

CHARACTERISTICS OF THE SAMPLES

Question 1: Sex

	Male	Female	Total
T. V. Group	210	206	416
Live Lecture Group	100	113	213
Total	310	319	629

Question 2: Age

	T.V. Group			Live Lecture Group			Total		
	Male N=210	Female N=206	Total N=416	Male N=100	Female N=113	Total N=213	Male N=310	Female N=319	Total N=629
Under 18	5.3%	4.9%	5.0%	3.0%	6.2%	4.7%	4.5%	5.3%	5.0%
18	55.7	75.2	65.4	51.0	57.5	54.5	54.2	69.0	61.6
19	25.2	16.0	20.7	34.0	22.1	27.7	28.1	18.2	23.0
20	6.7	1.5	4.1	4.0	8.8	6.6	5.8	4.0	5.0
21	3.3	1.5	2.4	6.0	2.7	4.2	4.2	1.9	3.0
Over 21	3.8	.9	2.4	2.0	2.7	2.3	3.2	1.6	2.4
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Question 3: Marital Status

	T.V. Group			Live Lecture Group			Total		
	Male N=210	Female N=206	Total N=416	Male N=100	Female N=113	Total N=213	Male N=310	Female N=319	Total N=629
Single	95.7%	96.6%	96.1%	95.0%	90.3%	92.4%	95.4%	94.4%	95.0%
Married	2.9	1.4	2.2	1.0	4.4	3.0	2.3	2.5	2.3
No Response	1.4	2.0	1.7	4.0	5.3	4.6	2.3	3.1	2.7
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.%	100.0%	100.0%	100.0%

Question 4: Number of college semester units completed:

	T.V. Group			Live Lecture Group			Total		
	Male N=210	Female N=206	Total N=416	Male N=100	Female N=113	Total N=213	Male N=310	Female N=319	Total N=629
None (first semester in college)	56.6%	66.0%	61.3%	57.0%	49.5%	53.0%	56.8%	60.2%	58.5%
1-14	19.0	17.0	18.0	8.0	12.4	10.3	15.5	15.3	15.4
15-30	8.6	7.3	8.0	11.0	15.0	13.1	9.3	10.0	9.7
31-45	6.7	7.8	7.2	13.0	12.4	12.6	8.7	9.4	9.1
46-60	5.2	1.4	3.3	10.0	8.0	9.0	6.8	3.8	5.3
Over 60	2.9	.5	1.7	---	1.8	1.0	1.9	1.0	1.4
No Response	1.0	---	.5	1.0	.9	1.0	1.0	.3	.6
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Question 5: College grade point average. Low freshmen give midterm grade point average.

	T.V. Group			Live Lecture Group			Total		
	Male N=210	Female N=206	Total N=416	Male N=100	Female N=113	Total N=213	Male N=310	Female N=319	Total N=629
1.0 or less (D, D-)	5.2%	4.9%	5.0%	3.0%	---	1.4%	4.5%	3.1%	3.8%
1.1-1.5 (D+)	8.1	4.9	6.5	9.0	5.3	7.0	8.4	5.0	6.7
1.6-2.0 (C, C-)	38.1	29.1	33.7	36.0	25.7	30.5	37.4	27.9	32.6
2.1-2.5 (C+)	29.5	33.0	31.2	30.0	30.1	30.0	29.7	32.0	30.8
2.6-3.0 (B, B-)	15.7	20.9	18.3	18.0	28.3	23.5	16.4	23.5	20.0
3.1-3.5 (B+)	1.4	5.8	3.6	3.0	9.7	6.6	2.0	7.2	4.6
3.6-4.0 (A, A-)	---	---	---	---	---	---	---	---	---
No Response	2.0	1.4	1.7	1.0	.9	1.0	1.6	1.3	1.5
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Appendix B

STUDENT RESPONSES 1/

1/ Questions 6 through 70. Questions 1 through 5 appear in Appendix A, Characteristics of the Samples.

Question 6: Have you covered material similar to that of this course in previous classes?

	T.V. Group			Live Lecture Group			Total		
	Male N=210	Female N=206	Total N=416	Male N=100	Female N=113	Total N=213	Male N=310	Female N=319	Total N=629
Yes	56.6%	70.4%	63.4%	37.0%	59.3%	48.8%	50.3%	66.5%	58.5%
No	41.4	27.7	34.6	60.0	37.2	47.9	47.4	31.0	39.1
No Response	2.0	1.9	2.0	3.0	3.5	3.3	2.3	2.5	2.4
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Question 7: If yes, specify below:

	T.V. Group			Live Lecture Group			Total		
	Male N=210	Female N=206	Total N=416	Male N=100	Female N=113	Total N=213	Male N=310	Female N=319	Total N=629
In a full semester of health education in high school	14.0%	4.8%	9.4%	7.0%	10.6%	8.9%	11.6%	6.9%	9.2%
In Biology in high school	39.5	34.5	37.0	19.0	42.4	31.4	32.9	37.3	35.1
In Biology in college	1.4	3.9	2.7	12.0	9.7	10.7	4.8	5.9	5.4
Other	6.1	29.1	17.5	16.0	31.8	24.4	9.3	30.0	19.8
No Response	39.0	27.7	33.4	60.0	35.3	46.9	45.8	30.4	37.9
Total 1/	100.0%	100.0%	100.0%	114.0%	129.8%	122.3%	104.4%	110.5%	107.4%

1/ Some columns total more than 100% because students responded more than once.

Question 8: Have you previously taken a TV classroom course? 1/

	Male N=210	Female N=206	Total N=416
Yes	1.9%	1.9%	1.9%
No	97.6	97.6	97.6
No Response	.5	.5	.5
Total	100.0%	100.0%	100.0%

Question 9: What is the average amount of weekly study time that you have devoted to this class?

	T.V. Group			Live Lecture Group			Total		
	Male N=210	Female N=206	Total N=416	Male N=100	Female N=113	Total N=213	Male N=310	Female N=319	Total N=629
Less than 1 hour	40.9%	43.7%	42.3%	37.0%	40.7%	39.0%	39.7%	42.6%	41.2%
1-2 hours	35.7	38.3	37.0	40.0	40.7	40.3	37.1	39.2	38.1
2-3 hours	12.4	9.7	11.0	14.0	9.7	11.7	12.9	9.7	11.3
3-4 hours	3.8	5.8	5.0	8.0	5.3	6.6	5.2	5.6	5.4
4-5 hours	3.8	1.5	2.6	1.0	---	.4	2.9	1.0	1.9
More than 5 hours	2.9	---	1.4	---	1.8	1.0	1.9	.6	1.3
No response	.5	1.0	.7	---	1.8	1.0	.3	1.3	.8
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

1/ Included only in questionnaire to T.V. group.

Question 10: What is your over-all opinion of this course?

	T.V. Group			Live Lecture Group			Total		
	Male N=210	Female N=206	Total N=416	Male N=100	Female N=113	Total N=213	Male N=310	Female N=319	Total N=629
Excellent	8.0%	6.3%	7.2%	59.0%	63.7%	61.5%	24.5%	26.6%	25.6%
Good	51.4	35.0	43.3	39.0	31.9	35.2	47.4	33.9	40.5
Average	24.0	40.8	32.2	2.0	4.4	3.3	16.8	27.9	22.4
Below Average	7.6	11.1	9.4	---	---	---	5.2	7.2	6.2
Poor	9.0	6.3	7.7	---	---	---	6.1	4.1	5.1
No Response	---	.5	.2	---	---	---	---	.3	.2
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Question 11: My health knowledge before taking this course was:

	T. V. Group			Live Lecture Group			Total		
	Male N=210	Female N=206	Total N=416	Male N=100	Female N=113	Total N=213	Male N=310	Female N=319	Total N=629
Entirely adequate	3.8%	3.9%	4.0%	1.0%	.9%	1.0%	3.0%	2.8%	2.9%
Generally adequate	40.0	38.8	39.4	22.0	21.2	21.6	34.2	32.6	33.4
Adequate in a few areas	41.9	47.6	44.7	46.0	54.0	50.2	43.2	49.8	46.6
Generally inadequate	12.3	8.2	10.3	29.0	21.2	24.9	17.7	12.9	15.2
Entirely inadequate	2.0	1.0	1.4	1.0	2.7	1.9	1.6	1.6	1.6
No Response	---	.5	.2	1.0	---	.4	.3	.3	.3
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Question 12: Upon completing this course, I feel my understanding of health is:

	T.V. Group			Live Lecture Group			Total		
	Male N=210	Female N=206	Total N=416	Male N=100	Female N=113	Total N=213	Male N=310	Female N=319	Total N=629
Very much improved	24.3%	20.4%	22.3%	58.0%	64.6%	61.5%	35.2%	36.0%	35.6%
Much improved	34.3	34.0	34.1	38.0	29.2	33.3	35.5	32.3	34.0
Somewhat improved	39.5	40.3	40.0	4.0	6.2	5.2	28.0	28.2	28.1
Unimproved	1.9	4.3	3.1	---	---	---	1.3	2.8	2.0
No Response	---	1.0	.5	---	---	---	---	.7	.3
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Question 13: Before taking this course, my attitude towards Health Education was:

	T.V. Group			Live Lecture Group			Total		
	Male N=210	Female N=206	Total N=416	Male N=100	Female N=113	Total N=213	Male N=310	Female N=319	Total N=629
Strongly favorable	9.5%	7.7%	8.7%	8.0%	15.1%	11.8%	9.0%	10.3%	9.7%
Favorable	27.1	37.9	32.4	25.0	34.5	30.0	26.5	36.7	31.6
Neither favorable nor unfavorable	52.4	46.1	49.3	56.0	46.0	50.7	53.5	46.1	49.8
Unfavorable	8.1	5.3	6.7	10.0	4.4	7.0	8.7	5.0	6.8
Strongly unfavorable	2.4	2.0	2.2	1.0	---	.5	2.0	1.3	1.6
No Response	.5	1.0	.7	---	---	---	.3	.6	.5
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Question 14: Having completed this course, my attitude towards Health Education is:

	T.V. Group			Live Lecture Group			Total		
	Male N=210	Female N=206	Total N=416	Male N=100	Female N=113	Total N=213	Male N=310	Female N=319	Total N=629
Strongly favorable	27.6%	24.7%	26.2%	67.0%	70.8%	69.0%	40.3%	41.1%	40.6%
Favorable	52.8	57.2	55.0	33.0	23.9	28.2	46.4	45.5	46.0
Neither favorable nor unfavorable	14.3	13.1	13.7	---	5.3	2.8	9.7	10.3	10.0
Unfavorable	1.9	3.0	2.4	---	---	---	1.3	1.9	1.6
Strongly unfavorable	2.9	1.0	2.0	---	---	---	2.0	.6	1.3
No Response	.5	1.0	.7	---	---	---	.3	.6	.5
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Question 15: To what extent has this course been of <u>immediate</u> benefit to you?

	T.V. Group			Live Lecture Group			Total		
	Male N=210	Female N=206	Total N=416	Male N=100	Female N=113	Total N=213	Male N=310	Female N=319	Total N=629
Of very great benefit	8.5%	4.8%	6.7%	19.0%	16.8%	17.8%	12.0%	9.1%	10.5%
Of great benefit	20.0	20.9	20.4	41.0	40.7	40.8	26.7	27.9	27.3
Of some benefit	57.1	60.2	58.7	39.0	37.2	38.0	51.2	52.0	51.6
Of little benefit	9.0	8.3	8.7	---	3.5	1.9	6.1	6.6	6.4
Of very little benefit	4.0	4.8	4.3	1.0	.9	1.0	3.0	3.4	3.2
No Response	1.4	1.0	1.2	---	.9	.5	1.0	1.0	1.0
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Question 16: To what extent do you feel this course will benefit you later in life?

	T.V. Group			Live Lecture Group			Total		
	Male N=210	Female N=206	Total N=416	Male N=100	Female N=113	Total N=213	Male N=310	Female N=319	Total N=629
Of very great benefit	13.8%	10.6%	12.2%	27.0%	39.0%	33.3%	18.1%	20.7%	19.4%
Of great benefit	26.7	38.3	32.4	53.0	47.8	50.2	35.2	41.7	38.5
Of some benefit	54.7	43.7	49.3	20.0	13.2	16.5	43.5	32.9	38.1
Of little benefit	2.4	3.4	2.9	---	---	---	1.6	2.2	2.0
Of very little benefit	1.4	3.0	2.2	---	---	---	1.0	1.9	1.4
No Response	1.0	1.0	1.0	---	---	---	.6	.6	.6
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Question 17: The television presentations for this course have been: 1/

	Male N=210	Female N=206	Total N=416
Almost always interesting	13.8%	10.7%	12.3%
Usually interesting	36.6	34.0	35.3
Interesting about half the time	31.9	35.4	33.6
Usually uninteresting	14.3	16.5	15.4
Almost always uninteresting	2.9	2.4	2.7
No Response	.5	1.0	.7
Total	100.0%	100.0%	100.0%

1/ Included only in questionnaire to T.V. group.

Question A: In general, how would you rate each of the following methods used in this course? 1/
(Items 18 through 22)

	Straight Lectures			Panel Discussions			Film Clips		
	Male N=210	Female N=206	Total N=416	Male N=210	Female N=206	Total N=416	Male N=210	Female N=206	Total N=416
Excellent	16.7%	16.5%	16.6%	12.8%	9.2%	11.1%	32.4%	36.4%	34.4%
Good	36.2	36.9	36.6	26.2	29.6	27.9	45.2	48.5	46.9
Average	35.7	36.4	36.0	25.2	30.6	27.9	17.1	11.2	14.2
Below Average	5.2	6.3	5.8	16.7	19.4	18.0	2.9	1.5	2.1
Poor	3.8	2.4	3.1	16.7	9.7	13.2	1.0	.5	.7
No Response	2.4	1.5	1.9	2.4	1.5	1.9	1.4	1.9	1.7
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

	Studio Demonstrations			Guest Authorities		
	Male N=210	Female N=206	Total N=416	Male N=210	Female N=206	Total N=416
Excellent	20.5%	10.7%	15.7%	15.7%	17.0%	16.4%
Good	41.4	44.7	43.0	36.7	29.6	33.2
Average	26.6	33.5	30.0	27.6	36.8	32.2
Below Average	7.1	7.3	7.2	12.8	12.6	12.7
Poor	2.0	1.9	1.9	5.2	2.0	3.6
No Response	2.4	1.9	2.2	2.0	2.0	1.9
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

1/ Included only in questionnaire to T.V. group.

Question B: In general, how would you rate the effectiveness of the following techniques for illustrating points presented during the lectures? 1/
(Items 23 through 27)

	Charts			Enlargement of text illustrations			Free-hand blackboard drawings		
	Male N=210	Female N=206	Total N=416	Male N=210	Female N=206	Total N=416	Male N=210	Female N=206	Total N=416
Excellent	16.2%	16.0%	16.1%	8.6%	15.5%	12.0%	10.0%	13.1%	11.5%
Good	36.2	33.0	34.6	37.1	33.0	34.6	28.1	34.5	31.2
Average	31.9	37.4	34.6	38.6	39.3	35.1	42.8	41.3	42.1
Below Average	5.2	6.3	5.8	9.0	7.8	8.4	12.9	6.3	9.6
Poor	2.9	1.5	2.2	3.8	2.0	2.9	4.8	2.9	3.9
No Response	7.6	5.8	6.7	2.9	2.4	2.7	1.4	1.9	1.7
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

	Working scale models (brain, heart, etc.)			Enlargement of medical photographs		
	Male N=210	Female N=206	Total N=416	Male N=210	Female N=206	Total N=416
Excellent	28.6%	28.1%	28.4%	31.9%	33.0%	32.4%
Good	40.0	41.3	40.6	38.1	41.3	39.7
Average	23.3	25.7	24.5	23.3	18.9	21.1
Below Average	4.8	2.4	3.6	3.3	3.4	3.4
Poor	.9	1.0	1.0	1.0	1.5	1.2
No Response	2.4	1.5	1.9	2.4	1.9	2.2
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

1/ Included only in questionnaire to T.V. group.

Question C (Items 28 through 36): Please check the response which best represents your opinion of the following items:

Item 28: Introduction to Course	T.V. Group Male N=210	T.V. Group Female N=206	T.V. Group Total N=416	Live Lecture Group Male N=100	Live Lecture Group Female N=113	Live Lecture Group Total N=213	Total Male N=310	Total Female N=319	Total N=629
Very much improvement needed	2.9%	2.4%	2.7%	1.0%	---	.5%	2.3%	1.6%	1.9%
Much improvement needed	6.2	5.8	6.0	1.0	---	.5	4.5	3.8	4.1
Some improvement needed	35.2	38.4	36.8	23.0	13.3%	17.8	31.3	29.5	30.4
Little or no improvement needed	50.9	49.5	50.2	73.0	82.3	77.9	58.0	61.1	59.6
No response	4.8	3.9	4.3	2.0	4.4	3.3	3.9	4.0	4.0
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Item 29: Method of Assignments	T.V. Group Male N=210	T.V. Group Female N=206	T.V. Group Total N=416	Live Lecture Group Male N=100	Live Lecture Group Female N=113	Live Lecture Group Total N=213	Total Male N=310	Total Female N=319	Total N=629
Very much improvement needed	9.0%	8.3%	8.7%	---	4.4%	2.4%	6.1%	6.9%	6.5%
Much improvement needed	11.4	12.1	11.8	8.0%	4.4	6.1	10.3	9.4	9.9
Some improvement needed	24.8	21.9	23.3	34.0	29.2	31.4	27.8	24.5	26.1
Little or no improvement needed	50.0	54.4	52.1	56.0	60.2	58.2	51.9	56.4	54.2
No response	4.8	3.4	4.1	2.0	1.8	1.9	3.9	2.8	3.3
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Question C [continued]

Item 30: Construction of Test Questions	T.V. Group Male N=210	T.V. Group Female N=206	T.V. Group Total N=416	Live Lecture Group Male N=100	Live Lecture Group Female N=113	Live Lecture Group Total N=213	Total Male N=310	Total Female N=319	Total Total N=629
Very much improvement needed	10.0%	3.4%	6.7%	2.0%	4.4%	3.3%	7.4%	3.8%	5.6%
Much improvement needed	8.6	6.8	7.7	1.0	2.7	1.9	6.1	5.3	5.7
Some improvement needed	24.8	35.9	30.3	23.0	18.6	20.6	24.2	29.8	27.0
Little or no improvement needed	51.9	51.9	51.9	72.0	73.4	72.8	58.4	59.5	59.0
No response	4.7	2.0	3.4	2.0	.9	1.4	3.9	1.6	2.7
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Item 31: Explanation of Medical Vocabulary	T.V. Group Male N=210	T.V. Group Female N=206	T.V. Group Total N=416	Live Lecture Group Male N=100	Live Lecture Group Female N=113	Live Lecture Group Total N=213	Total Male N=310	Total Female N=319	Total Total N=629
Very much improvement needed	6.2%	2.0%	4.1%	---	1.8%	.9%	4.2%	1.9%	3.0%
Much improvement needed	10.0	10.2	10.1	3.0%	---	1.4	7.7	6.6	7.2
Some improvement needed	29.5	25.2	27.4	30.0	16.8	23.0	29.7	22.2	25.9
Little or no improvement needed	50.5	60.2	55.3	66.0	81.4	74.2	55.5	67.7	61.7
No response	3.8	2.4	3.1	1.0	---	.5	2.9	1.6	2.2
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Question C [continued]

Item 32: Correlation of Text and Lecture Material	T.V. Group Male N=210	T.V. Group Female N=206	T.V. Group Total N=416	Live Lecture Group Male N=100	Live Lecture Group Female N=113	Live Lecture Group Total N=213	Total Male N=310	Total Female N-319	Total Total N=629
Very much improvement needed	4.3%	3.4%	3.8%	---	2.7%	1.4%	2.9%	3.1%	3.0%
Much improvement needed	8.1	5.3	6.7	3.0%	2.7	2.8	6.5	4.4	5.4
Some improvement needed	30.0	21.9	26.0	29.0	19.4	24.0	29.7	21.0	25.3
Little or no improvement needed	53.8	66.5	60.1	67.0	75.2	71.3	58.0	69.6	63.9
No response	3.8	2.9	3.4	1.0	---	.5	2.9	1.9	2.4
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Item 33: Summary of Daily Lecture Points	T.V. Group Male N=210	T.V. Group Female N=206	T.V. Group Total N=416	Live Lecture Group Male N=100	Live Lecture Group Female N=113	Live Lecture Group Total N=213	Total Male N=310	Total Female N=319	Total Total N=629
Very much improvement needed	7.6%	4.4%	6.0%	2.0%	3.5%	2.8%	5.8%	4.0%	4.9%
Much improvement needed	13.8	11.6	12.8	7.0	3.5	5.2	11.6	8.1	10.2
Some improvement needed	35.7	39.3	37.5	30.0	18.6	23.9	33.9	32.0	32.9
Little or no improvement needed	39.1	41.3	40.1	58.0	74.4	66.7	45.2	53.0	49.1
No response	3.8	3.4	3.6	3.0	---	1.4	3.6	2.2	2.9
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Question C [continued]

Item 34: Availability of Question Period	T. V. Group Male N=210	T. V. Group Female N=206	T. V. Group Total N=416	Live Lecture Group Male N=100	Live Lecture Group Female N=113	Live Lecture Group Total N=213	Total Male N=310	Total Female N=319	Total N=629
Very much improvement needed	45.7%	42.3%	44.0%	5.0%	1.8%	3.3%	32.6%	27.9%	30.2%
Much improvement needed	24.8	24.8	24.8	5.0	3.5	4.2	18.4	17.3	17.8
Some improvement needed	16.2	19.9	18.0	23.0	30.1	26.8	18.4	23.5	21.0
Little or no improvement needed	9.5	10.2	9.9	65.0	62.8	63.8	27.4	28.8	28.1
No response	3.8	2.9	3.3	2.0	1.8	1.9	3.2	2.5	2.9
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Item 35: Presentation of Material by Instructor	T. V. Group Male N=210	T. V. Group Female N=206	T. V. Group Total N=416	Live Lecture Group Male N=100	Live Lecture Group Female N=113	Live Lecture Group Total N=213	Total Male N=310	Total Female N=319	Total N=629
Very much improvement needed	3.8%	4.4%	4.1%	1.0%	1.8%	1.4%	2.9%	3.5%	3.2%
Much improvement needed	6.2	7.8	7.0	1.0	---	.5	4.5	5.0	4.8
Some improvement needed	32.9	32.0	32.4	10.0	5.3	7.5	25.5	22.6	23.9
Little or no improvement needed	51.9	52.4	52.2	88.0	92.9	90.6	63.5	66.7	65.2
No response	5.2	3.4	4.3	---	---	---	3.6	2.2	2.9
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Question C [continued]

Item 36: Discussion of Answers to Examinations	T.V. Group Male N=210	T.V. Group Female N=206	T.V. Group Total N=416	Live Lecture Group Male N=100	Live Lecture Group Female N=113	Live Lecture Group Total N=213	Total Male N=310	Total Female N=319	Total N=629
Very much improvement needed	41.4%	42.7%	42.1%	6.0%	3.5%	4.7%	30.0%	28.8%	29.4%
Much improvement needed	22.9	17.5	20.2	8.0	4.5	6.1	18.1	12.9	15.4
Some improvement needed	15.2	18.5	16.8	23.0	29.2	26.3	17.7	22.3	20.0
Little or no improvement needed	16.7	19.4	18.0	62.0	59.3	60.6	31.3	33.5	32.5
No response	3.8	1.9	2.9	1.0	3.5	2.3	2.9	2.5	2.7
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Question D (items 37 through 42): In terms <u>of their value to you</u>, please check the five presentations of greatest value and the five presentations of least value.

TEN PRESENTATIONS OF GREATEST VALUE 1/

Rank	Men N=185	Percent	Women N=192	Percent	Total N=377	Percent
1	Nutrition	44.9%	Venereal Disease	59.9%	Nutrition	45.3%
2	Alcohol	28.6	Childbearing	52.1	Venereal Disease	34.7
3	Body Fitness	24.3	Sex and Dating	49.5	Sex and Dating	32.6
4	Mental Health	23.2	Nutrition	45.8	Body Fitness	30.0
5	Infectious Disease Control	22.2	Smoking-Drugs	39.1	Mental Health	28.9
6	Sex and Dating	15.1	Body Fitness	35.4	Childbearing	28.1
7	Child Care	12.4	Cancer	32.8	Alcohol	26.8
8	Smoking-Drugs	10.3	Chest Disease	31.2	Smoking-Drugs	24.9
9	Venereal Disease	8.6	Mental Health	29.2	Infectious Disease Control	19.1
10	Psychosis	7.6	Alcohol	25.0	Cancer	18.6

1/ Included only in questionnaire to T.V. group. N's for columns are lower than those listed previously because some students did not respond to this question. Total of columns will exceed 100 percent because of multiple responses.

Question D [continued]

TEN PRESENTATIONS OF LEAST VALUE 1/

Rank	Men N=169	Percent	Women N=186	Percent	Total N=355	Percent
1	Mental Health	21.3%	Ears	21.5%	Nutrition	19.1%
2	Nutrition	19.5	Teeth	19.9	Mental Health	17.5
3	Psychosis	14.8	Nutrition	18.8	Skin, Hair (Grooming)	16.9
4	Skin, Hair (Grooming)	14.8	Skin, Hair (Grooming)	18.8	Ears	15.2
5	Infectious Disease Control	13.6	Infectious Disease Control	15.1	Infectious Disease Control	14.4
6	Smoking-Drugs	13.6	Mental Health	14.0	Teeth	12.1
7	Alcohol	11.8	Eyes	13.4	Eyes	11.8
8	Body Fitness	11.8	Venereal Disease	11.3	Psychosis	11.5
9	Child Care	11.8	Chest Disease	11.3	Venereal Disease	11.5
10	Venereal Disease	11.8	Alcohol	10.8	Alcohol	11.3
			Body Fitness	10.8	Body Fitness	11.3
			Child Care	10.8	Child Care	11.3
					Smoking-Drugs	11.3

1/ Included only in questionnaire to T.V. group. N's for columns are lower than those listed previously because some students did not respond to this question. Total of columns will exceed 100 percent because of multiple responses.

Question E (items 43 through 48): In terms of the interesting presentation, please check the five presentations of greatest interest to you and the five presentations of least interest to you.

TEN PRESENTATIONS OF GREATEST INTEREST 1/

Rank	Men N=153	Percent	Women N=180	Percent	Total N=333	Percent
1	Venereal Disease	75.2%	Sex and Dating	66.7%	Sex and Dating	69.1%
2	Sex and Dating	71.9	Venereal Disease	59.4	Venereal Disease	66.7
3	Childbearing	55.5	Childbearing	55.6	Childbearing	55.6
4	Body Fitness	39.9	Alcohol	45.6	Alcohol	38.7
5	Smoking-Drugs	33.3	Smoking-Drugs	41.1	Smoking-Drugs	37.5
6	Alcohol	30.7	Cancer	28.3	Body Fitness	28.2
7	Nutrition	30.1	Nutrition	26.1	Nutrition	27.9
8	Infectious Disease Control	20.9	Mental Health	23.9	Cancer	24.3
9	Cancer	19.6	Child Care	20.0	Mental Health	19.5
10	Menstrual Cycle	16.3	Body Fitness	18.3	Infectious Disease Control	18.0

1/ Included only in questionnaire to T.V. group. N's for columns are lower than those listed previously because some students did not respond to this question. Total of columns will exceed 100 percent because of multiple responses.

Question E [continued]

TEN PRESENTATIONS OF LEAST INTEREST 1/

Rank	Men N=144	Percent	Women N=166	Percent	Total N=310	Percent
1	Community Recreation, Physical Fitness	41.7%	Community Recreation, Physical Fitness	50.0%	Community Recreation, Physical Fitness	46.1%
2	Public Health Services	34.7	Public Health Services	42.2	Public Health Services	38.7
3	Skin, Hair (Grooming)	32.6	Ears	30.7	Ears	30.6
4	Ears	30.6	Teeth	23.5	Teeth	24.5
5	Eyes	27.1	Circulatory System	19.3	Eyes	22.6
6	Teeth	25.7	Eyes	18.7	Skin, Hair (Grooming)	21.0
7	Nutrition	25.0	Psychosis	18.7	Psychosis	19.7
8	Nervous System	20.8	Cancer	16.3	Nutrition	18.7
9	Child Care	20.8	Nervous System	15.1	Nervous System	17.7
10	Psychosis	20.8	Alcohol	13.9	Circulatory System	17.1

1/ Included only in questionnaire to T.V. group. N's for columns are lower than those listed previously because some students did not respond to this question. Total of columns will exceed 100 percent because of multiple responses.

Question 49: In supplementing and enriching the textbook, how effective have the TV presentations been? 1/

	Male N=210	Female N=206	Total N=416
Extremely effective	14.8%	12.1%	13.5%
Generally effective	35.2	36.4	35.8
Somewhat effective	27.6	32.0	29.8
Rarely effective	11.4	8.7	10.1
Never effective	2.9	2.9	2.9
No Response	8.1	7.8	7.9
Total	100.0%	100.0%	100.0%

Question 50: To what extent has the lack of opportunity to ask the TV instructor questions directly reduced the value of the course for you? 1/

	Male N=210	Female N=206	Total N=416
To a very great extent	20.0%	20.9%	20.4%
To a great extent	22.4	20.9	21.6
To some extent	29.5	27.7	28.6
To a small extent	13.8	16.0	14.9
To a very small or no extent	6.7	6.3	6.5
No Response	7.6	8.2	8.0
Total	100.0%	100.0%	100.0%

1/ Included only in questionnaire to T.V. group.

Question 51: To what extent has lack of other personal contact with the TV instructor reduced the value of the course for you? 1/

	Male N= 210	Female N=206	Total N=416
To a very great extent	8.1%	13.1%	10.6%
To a great extent	11.9	15.1	13.5
To some extent	27.6	23.3	25.5
To a small extent	22.4	18.4	20.4
To a very small or no extent	21.0	20.9	20.9
No Response	9.0	9.2	9.1
Total	100.0%	100.0%	100.0%

Question 52: Would you have taken this course if it had not been required?

	T.V. Group			Live Lecture Group			Total		
	Male N=210	Female N=206	Total N=416	Male N=100	Female N=113	Total N=213	Male N=310	Female N=319	Total N=629
Yes	40.5%	35.0%	37.7%	37.0%	54.0%	46.0%	39.3%	41.7%	37.7%
No	49.0	55.8	52.4	60.0	42.5	50.7	52.6	51.1	52.4
No Response	10.5	9.2	9.9	3.0	3.5	3.3	8.1	7.2	9.9
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

1/ Included only in questionnaire to T.V. group.

Question 53: Knowing what you now know about the course, do you think it should be a requirement?

	T.V. Group			Live Lecture Group			Total		
	Male N=210	Female N=206	Total N=416	Male N=100	Female N=113	Total N=213	Male N=310	Female N=319	Total N=629
Yes	69.5%	70.4%	69.9%	94.0%	91.2%	92.5%	77.4%	77.7%	77.6%
No	22.4	19.9	21.2	3.0	3.5	3.3	16.1	14.1	15.1
No Response	8.1	9.7	8.9	3.0	5.3	4.2	6.5	8.2	7.3
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Question 54: Would you take another subject on TV if offered? 1/

	Male N=210	Female N=206	Total N=416
Yes	60.0%	45.6%	52.9%
No	31.4	44.2	37.7
No Response	8.6	10.2	9.4
Total	100.0%	100.0%	100.0%

1/ Included only in questionnaire to T.V. group.

Question F (items 55 through 60): To what extent has this course influenced your attitude toward the following?

Item 55: Smoking	T.V. Group Male N=210	T.V. Group Female N=206	T.V. Group Total N=416	Live Lecture Group Male N=100	Live Lecture Group Female N=113	Live Lecture Group Total N=213	Total Male N=310	Total Female N=319	Total Total N=629
Very great extent	21.4%	20.4%	20.9%	24.0%	23.9%	23.9%	22.3%	21.6%	21.9%
Great extent	15.3	13.6	14.4	10.0	17.7	14.1	13.6	15.0	14.3
Some extent	19.5	22.8	21.2	23.0	20.3	21.6	20.6	22.0	21.3
Small extent	11.4	11.6	11.5	11.0	17.7	14.6	11.3	13.8	12.6
Very small or no extent	24.3	23.3	23.8	29.0	17.7	23.0	25.8	21.3	23.5
No Response	8.1	8.3	8.2	3.0	2.7	2.8	6.4	6.3	6.4
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Item 56: Eating	T.V. Group Male N=210	T.V. Group Female N=206	T.V. Group Total N=416	Live Lecture Group Male N=100	Live Lecture Group Female N=113	Live Lecture Group Total N=213	Total Male N=310	Total Female N=319	Total Total N=629
Very great extent	18.1%	14.1%	16.1%	23.0%	18.6%	20.7%	19.7%	15.7%	17.6%
Great extent	14.7	19.4	17.1	22.0	31.9	27.2	17.1	23.8	20.5
Some extent	24.8	35.9	30.3	45.0	34.5	39.4	31.3	35.4	33.4
Small extent	15.2	10.7	13.0	6.0	5.3	5.6	12.2	8.8	10.5
Very small or no extent	18.6	12.1	15.4	1.0	6.2	3.8	12.9	10.0	11.5
No Response	8.6	7.8	8.1	3.0	3.5	3.3	6.8	6.3	6.5
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Question F [continued]

Item 57: Amount of Exercise	T.V. Group Male N=210	T.V. Group Female N=206	T.V. Group Total N=416	Live Lecture Group Male N=100	Live Lecture Group Female N=113	Live Lecture Group Total N=213	Total Male N=310	Total Female N=319	Total Total N=629
Very great extent	16.7%	18.5%	17.5%	19.0%	19.5%	19.3%	17.4%	18.8%	18.2%
Great extent	18.6	25.7	22.1	33.0	31.0	31.9	23.2	27.6	25.4
Some extent	24.3	29.1	26.7	18.0	27.4	23.0	22.3	28.5	25.4
Small extent	10.9	8.7	9.9	12.0	8.9	10.3	11.3	8.8	10.0
Very small or no extent	20.0	10.2	15.1	14.0	9.7	11.7	18.1	10.0	14.0
No Response	9.5	7.8	8.7	4.0	3.5	3.8	7.7	6.3	7.0
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Item 58: Kind of Exercise	T.V. Group Male N=210	T.V. Group Female N=206	T.V. Group Total N=416	Live Lecture Group Male N=100	Live Lecture Group Female N=113	Live Lecture Group Total N=213	Total Male N=310	Total Female N=319	Total Total N=629
Very great extent	13.8%	16.0%	14.9%	21.0%	16.8%	18.8%	16.1%	16.3%	16.2%
Great extent	17.2	21.4	19.2	29.0	28.3	28.7	21.0	23.8	22.4
Some extent	21.4	29.1	25.3	17.0	29.2	23.5	20.0	29.2	24.6
Small extent	13.8	12.1	13.0	14.0	12.4	13.1	13.9	12.2	13.0
Very small or no extent	24.3	11.7	18.0	17.0	9.7	13.1	21.9	11.0	16.5
No Response	9.5	9.7	9.6	2.0	3.6	2.8	7.1	7.5	7.3
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Question F [continued]:

Item 59: Drinking of Alcoholic Beverages	T.V. Group Male N=210	T.V. Group Female N=206	T.V. Group Total N=416	Live Lecture Group Male N=100	Live Lecture Group Female N=113	Live Lecture Group Total N=213	Total Male N=310	Total Female N=319	Total Total N=629
Very great extent	15.2%	14.1%	14.7%	15.0%	14.2%	14.6%	15.2%	14.1%	14.6%
Great extent	10.0	14.1	12.0	15.0	20.3	17.8	11.6	16.3	14.0
Some extent	19.0	19.4	19.2	26.0	24.8	25.3	21.3	21.3	21.3
Small extent	14.8	12.6	13.7	11.0	17.7	14.6	13.5	14.4	14.0
Very small or no extent	31.9	31.1	31.5	31.0	19.5	24.9	31.6	27.0	29.3
No Response	9.1	8.7	8.9	2.0	3.5	2.8	6.8	6.9	6.8
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Item 60: Sexual Behavior	T.V. Group Male N=210	T.V. Group Female N=206	T.V. Group Total N=416	Live Lecture Group Male N=100	Live Lecture Group Female N=113	Live Lecture Group Total N=213	Total Male N=310	Total Female N=319	Total Total N=629
Very great extent	13.3%	14.1%	13.7%	18.0%	23.9%	21.1%	14.8%	17.6%	16.2%
Great extent	12.4	17.5	14.9	14.0	13.3	13.6	12.9	16.0	14.5
Some extent	18.1	22.8	20.4	25.0	23.9	24.4	20.3	23.2	21.8
Small extent	12.4	10.7	11.6	18.0	8.9	13.2	14.2	10.0	12.1
Very small or no extent	35.7	27.6	31.7	22.0	26.5	24.4	31.3	27.3	29.2
No Response	8.1	7.3	7.7	3.0	3.5	3.3	6.5	5.9	6.2
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Question 61: Did you smoke before taking this course?

	T.V. Group			Live Lecture Group			Total		
	Male N=210	Female N=206	Total N=416	Male N=100	Female N=113	Total N=213	Male N=310	Female N=319	Total N=629
Yes	29.5%	29.1%	29.3%	36.0%	30.1%	32.9%	31.6%	29.5%	30.5%
No	49.5	51.0	50.2	49.0	52.2	50.7	49.3	51.4	50.4
Occasionally	8.1	11.6	9.9	13.0	14.2	13.6	9.7	12.5	11.1
No Response	12.9	8.3	10.6	2.0	3.5	2.8	9.4	6.6	8.0
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Question 62: If YES, as a result of this course, do you now smoke? 1/

	T.V. Group			Live Lecture Group			Total		
	Male N=210	Female N=206	Total N=416	Male N=100	Female N=113	Total N=213	Male N=310	Female N=319	Total N=629
More	2.4%	.5%	1.5%	---	---	---	1.6%	.3%	1.0%
About the same	19.1	25.2	22.1	24.0	15.9	19.7	20.6	21.9	21.3
Less	12.4	8.3	10.3	18.0	15.1	16.4	14.2	10.7	12.4
Not at all	9.0	9.2	9.1	10.0	13.3	11.8	9.4	10.7	10.0
Total	42.9%	43.2%	43.0%	52.0%	44.3%	47.9%	45.8%	43.6%	44.7%

1/ Columns do not total 100 percent because not all students were required to respond.

Question 63: Did you drink alchoholic beverages before taking this course?

	T.V. Group			Live Lecture Group			Total		
	Male N=210	Female N=206	Total N=416	Male N=100	Female N=113	Total N=213	Male N=310	Female N-319	Total N=629
Yes	43.3%	24.8%	34.1%	50.0%	23.9%	36.1%	45.5%	24.4%	34.8%
No	25.7	35.9	30.8	22.0	30.1	26.3	24.5	33.9	29.2
Occasionally	17.7	31.5	24.5	26.0	42.5	34.8	20.3	35.4	28.0
No Response	13.3	7.8	10.6	2.0	3.5	2.8	9.7	6.3	8.0
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Question 64: If YES, as a result of this course, do you now drink alcoholic beverages? 1/

	T.V. Group			Live Lecture Group			Total		
	Male N=210	Female N=206	Total N=416	Male N=100	Female N=113	Total N=213	Male N=310	Female N=319	Total N=629
More	5.3%	2.5%	3.9%	1.0%	.9%	.9%	3.9%	1.9%	2.9%
About the same	37.6	36.4	37.0	48.0	40.7	44.1	41.0	37.9	39.4
Less	12.5	9.2	10.8	17.0	8.9	12.7	13.9	9.1	11.4
Not at all	5.3	2.9	4.1	4.0	5.3	4.7	4.8	3.8	4.3
Total	60.7%	51.0%	55.8%	70.0%	55.8%	62.4%	63.6%	52.7%	58.0%

1/ Columns do not total 100 percent because not all students were required to respond.

Question 65: Have your eating habits improved as a result of this course?

	T.V. Group			Live Lecture Group			Total		
	Male N=210	Female N=206	Total N=416	Male N=100	Female N=113	Total N=213	Male N=310	Female N=319	Total N=629
Yes	42.8%	46.1%	44.5%	75.0%	65.5%	69.9%	53.2%	53.0%	53.1%
No	44.3	46.6	45.4	22.0	31.0	26.8	37.1	41.0	39.1
No Response	12.9	7.3	10.1	3.0	3.5	3.3	9.7	6.0	7.8
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Question 66: Have the amount and kind of your exercise improved as a result of this course?

	T.V. Group			Live Lecture Group			Total		
	Male N=210	Female N=206	Total N=416	Male N=100	Female N=113	Total N=213	Male N=310	Female N=319	Total N=629
Yes	33.8%	35.0%	34.4%	47.0%	50.5%	48.8%	38.1%	40.4%	39.3%
No	53.8	56.3	55.0	50.0	46.0	47.9	52.6	52.7	52.6
No Response	12.4	8.7	10.6	3.0	3.5	3.3	9.3	6.9	8.1
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Question G (items 67 through 69): Please check which of the following would be your first choice, your second choice, your third choice for a course in Health Education. 1/

Item 67: Educational T.V.	Male N=210	Female N=206	Total N=413
First choice	26.7%	15.5%	21.1%
Second choice	32.9	40.8	36.8
Third choice	22.4	34.5	28.4
No Response	18.0	9.2	13.7
Total	100.0%	100.0%	100.0%

Item 68: Straight Lecture	Male N=210	Female N=206	Total N=413
First choice	11.9%	18.0%	14.9%
Second choice	24.3	24.7	24.5
Third choice	44.3	47.1	45.7
No Response	19.5	10.2	14.9
Total	100.0%	100.0%	100.0%

Item 69: Combination of Educational TV and Discussion Sessions	Male N=210	Female N=206	Total N=413
First choice	45.2%	58.2%	51.7%
Second choice	27.6	24.3	26.0
Third choice	10.0	8.3	9.1
No Response	17.2	9.2	13.2
Total	100.0%	100.0%	100.0%

1/ Included only in questionnaire to T.V. group.

Appendix C

STUDENT EVALUATION OF TEACHING BY TELEVISION QUESTIONNAIRE

COLLEGE OF SAN MATEO

STUDENT EVALUATION OF TEACHING BY TELEVISION
January 1965

At College of San Mateo we want to improve our instructional program continuously. Your views are very important in helping us achieve this objective. We shall appreciate your serious and honest answers to this questionnaire.

Responses are strictly confidential. PLEASE DO NOT SIGN YOUR NAME. The numbering throughout the questionnaire is solely for machine tabulation.

---

1. Please check: (1)_____Male (2)_____Female

2. Age:

   (1)_____Under 18 (4)_____20
   (2)_____18 (5)_____21
   (3)_____19 (6)_____Over 21

3. Marital status: (1)_____Single (2)_____Married

4. Number of college semester units completed:

   (1)_____None (first semester in college) (4)_____31-45
   (2)_____1-15 (5)_____46-60
   (3)_____15-30 (6)_____Over 60

5. College grade point average. Low freshmen give midterm grade point average.

   (1)_____1.0 or less (D, D-) (5)_____2.6-3.0 (B, B-)
   (2)_____1.1-1.5 (D+) (6)_____3.1-3.5 (B+)
   (3)_____1.6-2.0 (C, C-) (7)_____3.6-4.0 (A, A-)
   (4)_____2.1-2.5 (C+)

6. (1)_____Yes (2)_____No Have you covered material similar to that of this course in previous classes?

7. If YES, specify below:

   (1)_____In a full semester of health education in high school
   (2)_____In Biology in high school
   (3)_____In Biology in college
   (4)_____Other
   Please state:_____

8. (1)_____Yes (2)_____No Have you previously taken a TV classroom course?

9. What is the average amount of <u>weekly</u> study time that you have devoted to this class?

(1)_____Less than 1 hour
(2)_____1-2 hours
(3)_____2-3 hours
(4)_____3-4 hours
(5)_____4-5 hours
(6)_____More than 5 hours

10. What is your over-all opinion of this course?

(1)_____Excellent
(2)_____Good
(3)_____Average
(4)_____Below average
(5)_____Poor

11. My health knowledge before taking this course was:

(1)_____Entirely adequate
(2)_____Generally adequate
(3)_____Adequate in a few areas
(4)_____Generally inadequate
(5)_____Entirely inadequate

12. Upon completing this course, I feel my understanding of health is:

(1)_____Very much improved
(2)_____Much improved
(3)_____Somewhat improved
(4)_____Unimproved

13. Before taking this course, my attitude towards Health Education was:

(1)_____Strongly favorable
(2)_____Favorable
(3)_____Neither favorable nor unfavorable
(4)_____Unfavorable
(5)_____Strongly unfavorable

14. Having completed this course, my attitude towards Health Education is:

(1)_____Strongly favorable
(2)_____Favorable
(3)_____Neither favorable nor unfavorable
(4)_____Unfavorable
(5)_____Strongly unfavorable

15. To what extent has this course been of <u>immediate</u> benefit to you?

(1)_____Of very great benefit
(2)_____Of great benefit
(3)_____Of some benefit
(4)_____Of little benefit
(5)_____Of very little benefit

C. Please check the response which best represents your opinion of the following items:

Item	Very Much Improvement Needed	Much Improvement Needed	Some Improvement Needed	Little or No Improvement Needed
28. Introduction to course	(1)	(2)	(3)	(4)
29. Method of assignments	(1)	(2)	(3)	(4)
30. Construction of test questions	(1)	(2)	(3)	(4)
31. Explanation of medical vocabulary	(1)	(2)	(3)	(4)
32. Correlation of text and lecture material	(1)	(2)	(3)	(4)
33. Summary of daily lecture points	(1)	(2)	(3)	(4)
34. Availability of question period	(1)	(2)	(3)	(4)
35. Presentation of material by instructor	(1)	(2)	(3)	(4)
36. Discussion of answers to examinations	(1)	(2)	(3)	(4)

D. In terms <u>of their value to you</u>, please check the five presentations of greatest value and the five presentations of least value.

Of Greatest Value (Check five)	Program	Of Least Value (Check five)
37-1	Nutrition	40-1
2	Body Fitness	2
3	Eyes	3
4	Ears	4
5	Skin, Hair (Grooming)	5
6	Teeth	6
7	Sex and Dating	7
8	Childbearing	8
9	Nervous System	9
0	Brain	0
38-1	Child Care	41-1
2	Mental Health	2
3	Alcohol	3
4	Smoking-Drugs	4
5	Venereal Diseases	5
6	Community Recreation, Physical Fitness	6
7	Cancer	7
8	Public Health Services	8
9	Circulatory System	9
0	Menstrual Cycle	0
39-1	Psychosis	42-1
2	Infectious Disease Control	2
3	Chest Disease	3

E. In terms of the interesting presentation, please check the five presentations of greatest interest to you and the five presentations of least interest to you.

Of Greatest Interest (Check five)	Program	Of Least Interest (Check five)
43-1	Nutrition	46-1
2	Body Fitness	2
3	Eyes	3
4	Ears	4
5	Skin, Hair (Grooming)	5
6	Teeth	6
7	Sex and Dating	7
8	Childbearing	8
9	Nervous System	9
0	Brain	0
44-1	Child Care	47-1
2	Mental Health	2
3	Alcohol	3
4	Smoking-Drugs	4
5	Venereal Diseases	5
6	Community Recreation, Physical Fitness	6
7	Cancer	7
8	Public Health Services	8
9	Circulatory System	9
0	Menstrual Cycle	0
45-1	Psychosis	48-1
2	Infectious Disease Control	2
3	Chest Disease	3

49. In supplementing and enriching the textbook, how effective have the TV presentations been?

(1)_____Extremely effective
(2)_____Generally effective
(3)_____Somewhat effective
(4)_____Rarely effective
(5)_____Never effective

50. To what extent has the lack of opportunity to <u>ask the TV instructor questions directly</u> reduced the value of the course for you?

(1)_____To a very great extent
(2)_____To a great extent
(3)_____To some extent
(4)_____To a small extent
(5)_____To a very small or no extent

51. To what extent has <u>lack of other personal contact with the TV instructor</u> reduced the value of the course for you?

(1)_____To a very great extent
(2)_____To a great extent
(3)_____To some extent
(4)_____To a small extent
(5)_____To a very small or no extent

52. (1)_____Yes (2)_____No Would you have taken this course if it had not been required?

53. (1)_____Yes (2)_____No Knowing what you now know about the course, do you think it should be a requirement?

54. (1)_____Yes (2)_____No Would you take another subject on TV if offered?

F. To what extent has this course influenced your attitude toward the following? (please check)

	Very Great Extent	Great Extent	Some Extent	Small Extent	Very Small or No Extent
55. Smoking	(1)	(2)	(3)	(4)	(5)
56. Eating	(1)	(2)	(3)	(4)	(5)
57. Amount of exercise	(1)	(2)	(3)	(4)	(5)
58. Kind of exercise	(1)	(2)	(3)	(4)	(5)
59. Drinking of alcoholic beverages	(1)	(2)	(3)	(4)	(5)
60. Sexual behavior	(1)	(2)	(3)	(4)	(5)

61. (1)_____Yes (2)_____No (3)_____Occasionally Did you smoke before taking this course?

62. If YES, as a result of this course, do you now smoke?

(1)_____More (3)_____Less

(2)_____About the same (4)_____Not at all

63. (1)_____Yes (2)_____No (3)_____Occasionally Did you drink alcoholic beverages before taking this course?

64. If YES, as a result of this course, do you now drink alcoholic beverages?

(1)_____More (3)_____Less

(2)_____About the same (4)_____Not at all

65. (1)_____Yes (2)_____No Have your eating habits improved as a result of this course?

66. (1)_____Yes (2)_____No Have the amount and kind of your exercise improved as a result of this course?

G. Please check which of the following would be your first choice, your second choice, your third choice for a course in Health Education.

	First Choice	Second Choice	Third Choice
67. Educational TV	(1)	(2)	(3)
68. Straight Lecture	(1)	(2)	(3)
69. Combination of Educational TV and Discussion Sessions	(1)	(2)	(3)

70. If you have anything you would like to say concerning this course that was not covered in this questionnaire, or have some point you would like to enlarge upon, please do so below. (Use back of page if you so desire.)

Appendix D

STUDENT EVALUATION OF HEALTH EDUCATION QUESTIONNAIRE

COLLEGE OF SAN MATEO

STUDENT EVALUATION OF HEALTH EDUCATION
January 1965

At College of San Mateo we want to improve our instructional program continuously. Your views are very important in helping us achieve this objective. We shall appreciate your serious and honest answers to this questionnaire.

Responses are strictly confidential. PLEASE DO NOT SIGN YOUR NAME. The numbering throughout the questionnaire is solely for machine tabulation

---

1. Please check: (1)_____Male (2)_____Female

2. Age:

   (1)_____Under 18
   (2)_____18
   (3)_____19
   (4)_____20
   (5)_____21
   (6)_____Over 21

3. Marital status: (1)_____Single (2)_____Married

4. Number of college semester units completed:

   (1)_____None (first semester in college)
   (2)_____1-14
   (3)_____15-30
   (4)_____31-45
   (5)_____46-60
   (6)_____Over 60

5. College grade point average. Low freshmen give midterm grade point average.

   (1)_____1.0 or less (D, D-)
   (2)_____1.1-1.5 (D+)
   (3)_____1.6-2.0 (C, C-)
   (4)_____2.1-2.5 (C+)
   (5)_____2.6-3.0 (B, B-)
   (6)_____3.1-3.5 (B+)
   (7)_____3.6-4.0 (A, A-)

6. (1)_____Yes (2)_____No Have you covered material similar to that of this course in previous classes?

7. If YES, specify below:

   (1)_____In a full semester of health education in high school
   (2)_____In Biology in high school
   (3)_____In Biology in college
   (4)_____Other
   Please state:_____

9. What is the average amount of weekly study time that you have devoted to this class?

(1)_____Less than 1 hour
(2)_____1-2 hours
(3)_____2-3 hours
(4)_____3-4 hours
(5)_____4-5 hours
(6)_____More than 5 hours

10. What is your over-all opinion of this course?

(1)_____Excellent
(2)_____Good
(3)_____Average
(4)_____Below average
(5)_____Poor

11. My health knowledge before taking this course was:

(1)_____Entirely adequate
(2)_____Generally adequate
(3)_____Adequate in a few areas
(4)_____Generally inadequate
(5)_____Entirely inadequate

12. Upon completing this course, I feel my understanding of health is:

(1)_____Very much improved
(2)_____Much improved
(3)_____Somewhat improved
(4)_____Unimproved

13. Before taking this course, my attitude towards Health Education was:

(1)_____Strongly favorable
(2)_____Favorable
(3)_____Neither favorable nor unfavorable
(4)_____Unfavorable
(5)_____Strongly unfavorable

14. Having completed this course, my attitude towards Health Education is:

(1)_____Strongly favorable
(2)_____Favorable
(3)_____Neither favorable nor unfavorable
(4)_____Unfavorable
(5)_____Strongly unfavorable

15. To what extent has this course been of immediate benefit to you?

(1)_____Of very great benefit
(2)_____Of great benefit
(3)_____Of some benefit
(4)_____Of little benefit
(5)_____Of very little benefit

16. To what extent do you feel this course will benefit you later in life?

(1)____Of very great benefit
(2)____Of great benefit
(3)____Of some benefit
(4)____Of little benefit
(5)____Of very little benefit

C. Please check the response which best represents your opinion of the following items:

Item	Very Much Improvement Needed	Much Improvement Needed	Some Improvement Needed	Little or No Improvement Needed
28. Introduction to course	(1)	(2)	(3)	(4)
29. Method of assignments	(1)	(2)	(3)	(4)
30. Construction of test questions	(1)	(2)	(3)	(4)
31. Explanation of medical vocabulary	(1)	(2)	(3)	(4)
32. Correlation of text and lecture material	(1)	(2)	(3)	(4)
33. Summary of daily lecture points	(1)	(2)	(3)	(4)
34. Availability of question period	(1)	(2)	(3)	(4)
35. Presentation of material by instructor	(1)	(2)	(3)	(4)
36. Discussion of answers to examinations	--			

52. (1)____Yes (2)____No Would you have taken this course if it had not been required?

53. (1)____Yes (2)____No Knowing what you now know about the course, do you think it should be a requirement?

F. To what extent has this course influenced your attitude toward the following? (please check)

	Very Great Extent	Great Extent	Some Extent	Small Extent	Very Small or No Extent
55. Smoking	(1)	(2)	(3)	(4)	(5)
56. Eating	(1)	(2)	(3)	(4)	(5)
57. Amount of exercise	(1)	(2)	(3)	(4)	(5)
58. Kind of exercise	(1)	(2)	(3)	(4)	(5)
59. Drinking of alcoholic beverages	(1)	(2)	(3)	(4)	(5)
60. Sexual behavior	(1)	(2)	(3)	(4)	(5)

61. (1)____Yes (2)____No (3)____Occasionally Did you smoke before taking this course?

62. If YES, as a result of this course, do you now smoke?

(1)____More (3)____Less

(2)____About the same (4)____Not at all

63. (1)____Yes (2)____No (3)____Occasionally Did you drink alcoholic beverages before taking this course?

64. If YES, as a result of this course, do you now drink alcoholic beverages?

(1)____More (3)____Less

(2)____About the same (4)____Not at all

65. (1)____Yes (2)____No Have your eating habits improved as a result of this course?

66. (1)____Yes (2)____No Have the amount and kind of your exercise improved as a result of this course?

G. Please check which of the following would be your first choice, your second choice, your third choice for a course in Health Education.

	First Choice	Second Choice	Third Choice
67. Educational TV	(1)	(2)	(3)
68. Straight Lecture	(1)	(2)	(3)
69. Combination of Educational TV and Discussion Sessions	(1)	(2)	(3)

70. If you have anything you would like to say concerning this course that was not covered in this questionnaire, or have some point you would like to enlarge upon, please do so below.